What is claimed is:

1. A method of manufacturing a semiconductor element comprising:

a process of forming gate electrode having metallic silicide layer on a semiconductor substrate,

a process of decreasing grain boundaries on the surface of the metallic silicide at least a portion of which is exposed, and

a process of forming spacer consisting of oxide film on the side wall of gate electrode.

- 2. A method of manufacturing a semiconductor element according to Claim 1, wherein the process of decreasing said grain boundaries is a process of performing heat treatment to said metallic silicide layer in an atmosphere consisting of a chief element of nitrogen gas.
- 3. A method of manufacturing a semiconductor element according to Claim 1, wherein the process of decreasing said grain boundaries is a process of performing heat treatment to said metallic silicide layer in an atmosphere consisting of a chief element of argon gas.
- 4. A method of manufacturing a semiconductor element according to Claim 1, wherein the process of decreasing said grain boundaries is a process of performing heat treatment to said metallic silicide layer in an atmosphere consisting of a mixture gas of chief elements of nitrogen and ammonia.
- 5. A method of manufacturing a semiconductor element according to

Claim 1, wherein the process of decreasing said grain boundaries is a process of performing heat treatment to said metallic silicide layer in an atmosphere including oxidizable gas less than 100ppm.

- 6. A method of manufacturing a semiconductor element according to Claim 1, wherein said metallic silicide is tungsten silicide and the process of decreasing said grain boundaries is a process of performing heat treatment at temperature of 700 to 800℃ for time of 30 to 40sec.
- 7. A method of manufacturing a semiconductor element according to Claim 1, wherein said metallic silicide is tungsten silicide and the process of decreasing said grain boundaries is a process of performing heat treatment in an atmosphere including ammonia of 1 to 3%.
- 8. A method of manufacturing a semiconductor element according to Claim 1, wherein the process of decreasing said grain boundaries is performed after performing a reduced pressure process.
- 9. A method of manufacturing a semiconductor element according to Claim 1; wherein the process of decreasing said grain boundaries is a process of heat treatment to said metallic silicide layer in an atmosphere including oxidizable gas, and performed after performing a reduced pressure process of making the oxidizable gas less than 100ppm.
- 10. A method of manufacturing a semiconductor element according to Claim 1, wherein said metallic silicide is tungsten silicide and the process of decreasing said grain boundaries is a process of heat treatment

performed at temperature 700 to 800℃ and performed after performing a reduced pressure process performed at pressure of 13 to 65pa.